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The big experimental investigations conducted by Earth's artificial satellites "Kosmos 212" and "Kosmos 213" were fully carried out on the 20th of April, 1968.

The basic problem of this program, was to complete a further system-improvement of motion-direction of satellites & construction-elements of spacecrafts and their automatic docking in orbit, as well as carrying out scientific investigations of outer space.

As has already been announced on the 14th of April, 1968, an artificial satellite "Kosmos 212" was entered into near-Earth orbit.

In the process of its flight, all the on-board systems were set to carrying out its automatic docking.

To ensure the passage of "Kosmos 212" over the starting point of "Kosmos 213", its orbit was corrected on April 14 at 1910 Moscow time.

On April 15, 1968, satellite "Kosmos 213" was entered into orbit. To the moment of its orbit entry, AES "Kosmos 212" was approaching to the computed point. In accordance with the program satellites "Kosmos 212" and "Kosmos 213", performed on command from on-board computers, the automatically reciprocal search, rapprochement and berthing, after which a hard mechanical and electrical docking was realized.

Both satellites during the time period of 3 hours 50 min. completed the flight in orbit in docking state, thus fulfilling the program of scientific investigations. During this period both satellites operated as a single investigation complex. At 1710 hours Moscow time (April 15, 1968), on command from Earth, the undocking of satellites "Kosmos 212" and "Kosmos 213" was carried out.

After the undocking the satellites were transferred to

various orbits for the continuation of program accomplishment.

By means of TV Cameras installed on the outer surface of the satellite "Kosmos 212", a televised picture of space-crafts' docking and the process of their undocking was transmitted.

In the course of the days following the flight of AES "Kosmos 212" and "Kosmos 213", a check up of their modus-operandi system was put through, their orientation, and maneuvering in outer space being repeatedly excercised.

Some complex-system investigations, such as radiocommunication, orientation and motion direction, as well as motor installations on board, were carried through in outer space flight conditions.

During the whole flight system of AES "Kosmos 212" and "Kosmos 213", their motor installations, their on-board radiotechnical means and computers fuctioned normally and proved to be highly reliable.

After completion of the preassigned program of experimental investigations, AES "Kosmos 212" and "Kosmos 213" were returned on command from Earth to the preassigned zone of the Soviet Union respectively on the 19th and 20th of April.

The whole complex operation, including the automatic docking, performed by AES "Kosmos 212" and "Kosmos 213", represents a new step-forward in the creation of orbital stations and interplanetary spaceships.

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